## Portable Cellular Phone SPH-N100/ SPH-N105

## Bhasuys



## FCC RF EXPOSURE INFORMATION

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S.and international standards bodies.The design of this phone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna.Unauthorized antennas,modifications,or attachments could impair call quality, damage the phone,or result in violation of FCC regulations.

Do not use the phone with a damaged antenna.If a damaged antenna comes into contact with the skin, a minor burn may result.Please contact your local dealer for replacement antenna.

## Body-wom Operation

This device was tested for typical body-w orn operations using a spacing of 2.0 cm between the phone and the body. To comply with FCC RF exposure requirements, a minimum separation distance of 2.0 cm must be maintained betw een the user's body and the phone,including the antenna, whether extended or retracted.The use of third-party beltclips/ holsters with no metallic components that provide the minimum separation distance of 2.0 cm can be used to satisfy FCC RF exposure requirements. The use of non-tested accessories or other body-w orn operations may not comply with FCC RF exposure requirements and should be avoided. Contact your local dealer for optional accessory items.

For more information about RF exposure,please visit the FCC web site at www.fcc.gov

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## Your Consumer Package

## Getting to know your phone

Your consumer package contains the follow ings:


## Getting to Know Your Phone (continued)

1. Active Flip Phone: Closing the phone will alw ays end your call and turn off the backlight. There are several options you can set to happen when you open the phone. When opening the phone you can:

- answer an incoming call.To set this option see "Answ ering a Call" on page 23.
- voice dial someone.To set this option see"Voice Dialing Activation" on page 50.
- control the backlight.To set this option see"Backlight Control" on page 42.


## 2. Backlit Display Screen

- The screen displays phone's operating indicators or in-use information such as the call timer, the name and number of the other party (it available),Mute, Call waiting,etc.

3. Headset Connector: This is where you connect the optional headset. The headset includes an earpiece and microphone in a convenient,lightweight unit so you can converse without using your hands.

- What you see in the illustration to the left is really the cover for the headset connector. Gently pry off the top of the cover to expose the headset connector.

4. Microphone: Your typical voice microphone for conversation, but also accepts your voice commands for Voice-Activating Dialing.You can also mute the microphone during conversation by sim-

5. Accessories Connector: This is where you connect your charging device. It can also be used to connect optional accessories (sold separately). Accessories available for your phone include:

- Travel Charger or CLC
- Wireless data device.
- hands-free car kit.

6. LED Indicator: Flashes to indicate an incoming call or message. When you have the phone closed and the ringer set to off, the LED indicator will notify you that you have an incoming call or message.

- The LED also lights up (flashes) for a few seconds when you turn on the phone.

7. Antenna: Makes the call sound clearest when it's fully extended.Your antenna is easily replaced by just screwing in a new one.
8. OK / Messages / Navigation Key: This key performs several useful functions:

- From Standby or Conversation mode, press it briefly to access the Messages Menu, or press and hold it to access the Voice mail.
- When entering a phone number, press it once to save the number to the Phone Book (then follow a few prompts).
- When navigating a menu, press it to select the highlighted item.
- When the alarm goes off, press it to silence the alarm.
- In Standby or Conversation mode, slide it up to view your Phone Book (in numerical order).
- In Standby or Conversation mode,slide it down to view your Phone Book (in alphabetical order).
- In Standby mode, slide it right to launch the Web Browser.
- In Standby mode, slide it left to launch the Calendar.

9. Volume/ Scroll Key: This key is actually two keys (one up and one down) that are used to:

- Adjust voice volume during conversation.
- Adjust ringer volume in Standby mode.
- Mute the ringer during an incoming call.
- Scroll through menu options.
-SelectAM / PM when setting clock, scheduler event times, and alarms.

10. SEND Key: This key performs several useful functions.

- Press it to answer calls.
- Dial a number and press it to connect.
- During a conversation, press it to initiate Three-Way calling.
- During a conversation, press it to answer a Call Waiting call.
- Press it once in Standby mode to quickly access your Call Logs.
- Press it twice in Standby mode to redial the last outgoing number.


## 11. */ Shift key

- press for special star calling features.

12. \#/ Space key: This key has tw o functions:

- This is the pound key. It's used at various times when you dial especially when using tele-services.
- When entering text, press it to create a space.

13. CLR Key: This key is used to erase numbers or characters you may have entered incorrectly, or to return to a previous menu or Web Browser screen.

- To erase one character from the display screen, briefly press it once.
- To erase all characters, hold it down for one second.
- To back up one menu or Web Browser level, press it once.
- To return to Standby mode or your Web Browser home page, press and hold it for one second.

14. END/ Power Key: This key performs several important functions:

- Press to turn on your phone.
- Press and hold to turn off your phone.
- Press this key to return to Standby mode when ending a call, ending a Web Browser session, or from any menu.
- If the phone is already open, and you receive an incoming call, you can mute the ringer by pressing once.

15. MENU Key: When in Standby or Conversation mode, press this key to access menu items, and continue pressing it to scan menu items. When you reach the menu item you want,press (Un)

- When dialing numbers, this key is used to enter a pause (see"Pause Dialing" on page 37).

16. 0 Next Key: This Key is used to display the next matching word when entering text in T9Text Entry Mode.

## Tuming your Samsung PCS Phone on and off

## To tum it on

Simply press and three things happen：
The LED indicator flashes，
the phone beeps and
the start－up graphics begin to play．
The phone will then begin searching for a netw ork signal． When a signal is found，the $\Psi_{1}$ Il icon appears and your phone enters Standby mode．The Standby mode screen is shown below and always contains the following four things：

Fill大目口回田
SAMSUNG FCS 3：22P Nou11

Signal strength indicator $\Psi_{\text {III }}$ ． Battery strength indicator ． Banner（here the banner is ＂Samsung PCS＂but you can per－ sonalize it）．
Time and date．
You can make and receive calls now．

## To tum it off

To turn your phone off，press and hold until the power off graphics begin to play．The power off sounds will then play and the display goes blank．Notice that when the phone is off，nothing is displayed on the screen，and the backlight is off．

Note：If your phone is on and is pressed for less than one second，the phone will not turn off．This feature helps keep your phone from being accidentally turned off．

## Operating Indicators

Display indicators（or icons）usually appear across the top of your phone＇s display screen．Somtimes they may not be shown on the screen．

## 

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3：22P Noul1

Yill Signal strength：This icon appears when your phone is on，and shows your current signal strength．More lines indicate more signal strength． Four lines indicate maximum strength，and one line indicates least strength．
－Service indicator：This icon indicates a call is in progress．If there is trouble with signal strength， this indicator will have a diagonal line through it．

No service indicator：This icon indicates your phone cannot find a signal because you＇re outside a service area．When this is displayed，you cannot make or receive calls．Wait a little while for a signal or move into an open area．

Note：The no service indicator will appear when you turn on your phone．As soon as service is found，the indicator disappears．
$B$
Roaming: This icon indicates you are"roaming" off the Netw ork of your service provider.

Message indicator: This icon indicates you have Voicemail message(s) waiting.Press to see the Message menu, or press and hold to be connected to Voicemail.

Digital mode: This icon indic ates that the phone is in Digital mode. For Data/Fax calls,Web Browser calls, and voice Dialing, the phone must be in digital mode.

Vibrating Ringer: This icon indicates that an incoming call will vibrate the phone rather than ring it.This feature can be used for quiet situations where you don't want your ringer to disturb others or for loud situations where the ringer cannot be heard.
Ring Level: This icon indicates the level of ring volume. The more bars you see, the larger the volume.

III Battery strength: This icon is displayed when your phone is on, and shows the level of your battery charge. The more black bars you see, the greater the charge. When the battery becomes very low, an empty box appears and the phone flashes an alert; this indicates your phone is about to turn itself off.

## Using the battery

Your Samsung PCS Phone comes packaged with a partially charged, rechargeable Lithium Ion (Lilon) battery so that you can use your phone immediately after it is activated.

## Installing the battery

To attach the battery to your Samsung PCS Phone:


1. Align the tabs at the bottom of the battery with the corresponding slots in the phone.

2. Push the battery down until you hear a click.

## Removing the battery

To remove the battery from your Samsung PCS Phone:


1. Turn the phone off.
2. Push up and hold the catch of the phone and lift the battery away.

## Charging the Battery

You can easily tell if your battery needs to be recharged by checking the indicator in the upperright corner of your phone's display. The presence of all three bars indicates a full charge, two bars indicates a smaller charge, and one bar indicates an even smaller charge. No bars ( $\square$ ) means your battery must be charged.

When the battery charge level gets low, the battery sensor blinks an empty battery icon ( $\square$ ), sounds a tone. If the battery level gets too low, the phone will turn off automatically. Unfortunately, if this happens you'll lose whatever you are doing, including dropping your call. Watch the battery strength icon and make sure your battery is adequately charged.

## Charging with the dual-slot desktop charger

Use only Samsung-approved chargers and adapters with your Samsung PCS Phone. Use of any unauthorized accessories may be dangerous and will invalidate the phone warranty if the accessories cause damage or a defect to the phone.

To charge the battery using the dual-slot desktop charger:

1. Plug the power cord of the charger into a wall outlet.
2. Select one of the following three charging configurations:

Insert the entire phone with battery attached into the front compartment of the charger.

Insert a single battery (alone, not attached to the phone) into the rear compartment of the charger.

Insert a single battery into the rear compartment and a phone (with battery attached) into the front compartment.

Things to remember about the dual-slot desktop charger
To get the quickest charge for any battery:

1. Turn the phone off.
2. Put the phone, with battery attached, into the front slot.
3. Do not put a battery in the rear slot.

When two batteries are in the charger, the batteries charge simultaneously, but charging time increases for both batteries.

Leaving the battery in the charger once it is fully charged does not harm the battery.

The LEDs on the front of the charger indicate the following:

Red indicates that the battery is charging.
Green indicates that the battery is fully charged.
Yellow indicates that the battery is operating at a temperature that is too high or too low, or that something is not plugged in correctly. Check the charger and battery for proper connections.

Using the dual-slot desktop charger, a completely discharged standard battery recharges fully in approximately 2.5 hours.The extended battery recharges in approximately 3 hours.

## Your phone's modes

## Standby mode

Standby is the most basic state of your Samsung PCS Phone. The phone goes into Standby mode soon after you turn it on, or if your phone is on, whenever you briefly press When your phone is in Standby mode, you will see the banner (the message displayed when you turn on your phone), the time/date and the active top line icons. While in Standby mode, you can enter a phone number, press to dial it, or press to save it in the Internal Phone Book.
Press at any time to return to Standby mode, but be careful; if you're on a call when you press you'll return to Standby mode but you'll also disconnect the call. Press (CE) several times or hold it down to return to Standby mode without ending a call.

The Main menu is accessed when you are in Standby mode by pressing (0nid. See "Your Phone's Main menu" on page 106 for a listing of the Main menu items.

## Talk mode

You can place and answer calls only when your Samsung PCS Phone is powered on. During a call, the phone is inTalk mode. While you are in Talk mode, pressing (unde gives you a list of options referred to as"In-Use options. See "In Use menu" on page 105.

## Power Save mode

Your Samsung PCS Phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 15 minutes of searching. While this fea ture is active, the phone's battery charge is conserved. The phone will automatically recheck for a signal periodically.A message on the display will let you know when your phone is operating in Power Save mode.

## Basic voice call functions

Note: Your phone makes several kinds of calls (voice,fax and WirelessWeb).This section explains voice calling only.

## Making a voice call

To place a voice call:

1. Press the power on your Samsung PCS Phone. If you see indicators on the display, this indicates your phone is on. Note that you will not hear a dial tone.
2. Enter the phone number (up to 32 digits) by pressing the digit keys. The phone number displays from left to right.
3. Press The phone places the call to the entered phone number.

You can also make voice calls:
From your Internal Phone Book (see"Shortcuts to Memory Dialing" on page 65).
From your Call Logs list (see "Reviewing Outgoing, Incoming or Missed Calls" on page 88).

By using One-Two- orThree-Touch Dialing (see "Shortcuts to Memory Dialing" on page 65).
By using Voice Activated Dialing (see "Voice-activated dialing setup" on page 52).

## Redialing calls

To redial the last call you made, press twice.
You can also easily redial any of your last ten incoming, outgoing or missed calls by accessing the Call Logs listings (see "Review ing Outgoing, Incoming or Missed Calls" on page 88).

## Correcting dialing mistakes

To correct a misdialed digit:
Press (CI) to erase one digit at a time.
You can erase all the digits at once by pressing (ढ) and holding it down for one second.

## Ending a call

To end a call, close the phone or press . If you end a call by pressing plays, along with the name and number of the called party (if available).Also, if the number is not stored in your Internal Phone Book, your phone prompts you to save the number by pressing 6 . If you do nothing, the phone automatically returns to Standby mode after approximately five seconds.

## Incoming call notification

Your Samsung PCS Phone signals an incoming call or message in the following ways:

The backlight illuminates.
The red LED on the top of the handset flashes.
The ringer sounds (unless you have set the ringer to Vibrate or Off).
Incoming call notification continues until one of the following events occurs:

You answer the call.
You press (mise or to silence the ringer before answ ering the call. (when theAny KeyAnswer option is selected in the Main menu).
The calling party ends the call.
The call is sent to the Voicemail.

Your Samsung PCS Phone provides the following voice call notification features.

Six ring volume settings including Vibrate,Off and 1Beep.
Nine unique ring types and four melody tones (see
"Ringer type setting for voice calls" on page 45).
Name display with Caller ID (if the name is programmed into your Internal Phone Book).
Automatic storage of an incoming call's information in the Call Logs (the last 10 calls you answered are stored in the Incoming Call logs and the last 10 calls you missed are stored in the Missed Call Logs). See "Missed calls" on page 32 .

## Answering a call

There are three ways to answ er an incoming call.
Press (feel if the phone is already open.
Open the phone (when the Flip Open option is set in the Main menu).
Press any key except (when the Any Key Answer option is selected in the Main menu).

Your phone is preset to answer when you press (ised. You can easily change how your phone answers by setting the
Call Answer feature as explained here:

1. Press (to display the Main menu.
2. Press [है] for Setup / Tool.
3. Press for Call Answer.
4. Use the scroll keys to toggle between "Flip Open", "AnyKey", or "SEND key".
5. Press to save the setting.

## Adjusting voice volume



You can adjust the earpiece volume during a call using the volume keys on the side of your phone. Briefly press the appropriate volume key to increase or decrease the volume.

## Adjusting ring volume

From Standby mode you can quickly adjust the volume of the ringer by pressing the volume keys on the side of the phone.You can also change the settings for your phone's ring volume from the Main menu (see "Ringer options" on page 45).

## Silencing (or muting) the ringer during an incoming call

When the phone is open and ringing, press to silence the ringer. When the phone is closed and ringing, press the volume keys to quickly silence the ringer. (When the Any Key Answer option is not selected in the Main menu.)

You can also set the ringer to remain off. From Standby mode, press the down volume key until "Ring Volume Off" is displayed, or use the Main menu (see"Ringer type setting for voice calls" on page 45).

## To mute the microphone during a call

You can mute the microphone during conversation by selecting the Mute option from the In-Use menu.When Mute is active,""MUTE"displays.The phone resets this condition to the default (Un)Mute setting at the end of your call.

To mute the microphone during a call:

1. During a conversation, press to display the In-Use menu.
2. Press (1) (or ) to mute the microphone. You will hear the other party's conversation, but they will not hear your conversation."MUTE"displays on the screen.
3. To "unmute"the microphone during the same conversation, repeat steps 1 and 2 . Selecting the (Un)Mute option toggles Mute on and off.

## Where you can use your phone

Your Samsung PCS Phone can used it to make and receive calls in many places.

In any city where your service provider provides PCS service.

On other CDMA networks where your service provider has implemented roaming agreements.
(SPH-N100 only*) On other conventinal analog cellular netw ork where your service provider provides analog service or has implemented roaming agreement.

When you use your phone outside your service provider's PCS Network, it's called roaming.

[^0]Setting your phone's roaming ability (SPH-N100 only*)

Your Samsung PCS Phone allows you to control your ability to roam. The roaming ability is determined by the "mode" that you select in the Main menu.

Automatic: The phone will search for your service provider's service first. When this service is not available, it will search for an alternate system automatically.

Home Only or No Roaming: This setting allows you to select only your service provider's Network to prevent roaming.

Analog: The phone will acquire analog service,but will revert to Home Only or Automatic(depending on your setting) the next time you turn on your phone.

## Roaming call guard

Note:This menu may not be shown depending on your service provider.
Your phone can be set to display a confirmation message when a roaming call is about to be placed or received. This is helpful if you want to avoid roaming charges. To change your roaming call guard setting:

1. Press (unge to display the Main menu.
2. Press 'g= for Setup/Tool.
3. Press for Roaming.
4. Press 2 as for Call Guard.
5. Select Yes or No using the scroll keys.
6. When the desired setting displays, press to save the setting or (c) to exit without saving.

To select the service mode:

1. Press (une to display the Main menu.
2. Press for Setup/Tool
3. Press for Roaming.
4. Press 1 for Set Mode.
5. Press the scroll keys to scan options.
6. When the desired service mode displays,press to save the setting or (c) to exit without saving.

* SPH-N100 is dual-band.


## Using Caller ID

This feature tells you who is calling you by displaying the caller's number when the phone rings. If a caller's name and number are stored in your Internal Phone Book, the corresponding name is also displayed. If you call someone who has this feature, your phone number is displayed on their phone.

To block your phone number from being displayed for a particular outgoing call, ask your service provider.

## Call Waiting

Call Waiting lets you receive a second call during conversation. When a Call Waiting call comes in, the incoming call alert sounds (this sound is audible to you but not your first caller), and a text notification displays.

Your Samsung PCS Phone provides the option of turning the Call Waiting feature on or off. Call Waiting is on by default.If you choose to have an undisturbed conversation,simply turn off the feature for the current call.

## Answering a Call Waiting call

To answer a Call Waiting call:

1. Press (ised. The phone connects the calling party and places the current party on hold.
2. Press again to switch between the two parties.

Note: If you do not respond to a Call Waiting notification, the phone logs the call in the Missed Calls Log and then sends the call to the Voicemail.

## Using Three-Way Calling

Three-Way Calling lets you talk with two different people at the same time. When you use this feature, you will be charged normal airtime rates for each of the two calls you make.The phone records each called party in the Outgoing Calls Log.

During a three-way call, if one of the callers hangs up, you and the remaining caller will stay connected. If you initiated the call and you hang up first, all three parties are disconnected.

There are two methods for making a three-w ay call; the SEND key method and by using the In-Use menu.

To place a three-way call using the SEND key method:

1. During a conversation,simply press (isee .The phone places the current call on hold.
2. Next, enter the number for the third party, and press (1ex).
3. When you're connected to the third party, press again to begin your three-way call.

To place a three-w ay call using the In-Use menu:

1. During a conversation,simply press (End and (3) for Three-Way Calling.
2. Next, enter the number for the third party, and press (exe). The phone places the current call on hold.
3. When you're connected to the third party, press again to begin your three-way call.

## Using Call Forwarding

With Call Forw arding, you can have all of your incoming calls forw arded to another phone number - even if your phone is turned off. When Call Forw arding is used, you can still make calls from your phone.

To use Call Forw arding ask your service provider.

## Displaying your phone number

The phone number of your Samsung PCS Phone displays every time you turn on your phone. You can easily display your phone number by two methods.
To view your phone number from Standby mode:

1. Press (one display the Main menu.
2. Press 2asf for Phone Book.
3. Press (3玉) for My Phone \#.
4. Press (CE) to return to the previous screen.

To view your phone number while in a conversation:

1. Press (Ene) to display the In-Use menu.
2. Press for Phone Book menu.
3. Press for My Phone \#

## Missed calls

Your phone keeps a list of calls that you do not answer when the phone is on and service is available. The phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, a Missed Call Log entry is created, and the screen displays the phone number of the most recent missed call.

Your phone gives you two very convenient options when you have missed a call:

Press to call the displayed number.
Press to save the number in the Internal Phone Book.

To view a list of your missed calls, see"Reviewing Outgoing, Incoming or Missed Calls" on page 88.

Press (CE) to clear the "Missed Call" message from the display and return to Standby mode.

## Dropped calls

A dropped call can occur during a conversation in response to a signal fade or leaving a service area. In this case, the call ends and "Signal Faded"displays.
Press to clear the message and return to Standby mode.

If the dropped call was an outgoing call from your phone, you can redial the number automatically by pressing twice.

## Failed calls

A failed call can occur if your Samsung PCS Phone is out of calling range or the network is temporarily busy.Your phone responds to a failed call by displaying an appropriate text message: "Call not completed out of range".

Cancel the call attempt and return to Standby mode by pressing (May or (c) and try the call again later.

## Key beep volume setting

The keys on your phone beep when they are pressed. The volume of the beeps can be easily set to one of three levels. If you don't want the keys to beep at all, you can turn them off.
To set the key beep volume:

1. Press (vin) to display the Main menu.
2. Press for Setup / Tool.
3. Press 1 for Sounds.
4. Press (3) for Key Beep.
5. Press the scroll keys to view and listen to the key beep volume options: High,Med,Low or Off.
6. When the desired volume level displays, press to save the setting.

## Advanced voice calling features

## Tone length setting

The tone length setting enables you to select short or long DTMF (dual-tone multi-frequency) tones. DTMF tones are sent by your phone to access teleservices (such as a bank account or voicemail system). The system used by the bank or other service determines if you need short or long DTMF. If the service is digital, short DTMF tones will almost always work. However, some new systems and almost all older (analog) systems require you to use long DTMF tones.

To set tone length:

1. Press (T) display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press 448, forTone Length.
5. Press the scroll keys to toggle between Short and Long.
6. When the desired option displays,press to save the setting.

## Automatic hyphenation

When you dial a number, hyphenation is performed automatically by the phone. This hyphenate numbers as follosw:

000-000-0000

## Prepend dialing

The prepend option lets you add digits such as area codes and network feature activation codes (for example, to temporarily cancel call waiting) to a phone number that is stored in your Internal Phone Book or Call Logs.To prepend existing phone numbers in the Internal Phone Book:

1. Press (Uney) to display the Main menu.
2. Press 2 ak for Internal Phone Book.

Remember you can access the Internal Phone Book by Name simply by sliding up/down.
3. Find the number that you want to prepend; press (1) to Find Name or press 4E, to Find Entry.
4. Use the navigation key ( ) to scroll to the number/person you want to prepend and press
5. Press or ore for more options.
6. Press 48, for Prepend.
7. Enter the prepend digits (area code or feature activation code) by pressing the digit keys. For feature calls, press年, before dialing the feature code.
8. Press to call the prepended number.

To prepend a phone number from your Call Logs:

1. Press (UEX) to display the Main menu.
2. Press C for Calls.
3. Press:
(1) to prepend a number in the O utgoing Call Log

Zas to prepend a number in the Incoming Call Log
(3) to prepend a number in the Missed Call Log.
4. Using the navigation key ( ) scroll to the number/person you want to prepend and press
5. Press or forms.
6. Press ( 3 ) to Prepend.
7. Enter the area code or feature activation code by pressing the digit keys. For feature calls, press [ before dialing the feature code.

## 8. Press to call the prepended number.

## Four-digit dialing

Your phone provides the option of dialing a number stored in the Internal Phone Book simply by dialing four digits. Enter any four consecutive digits of someone's phone number (for instance, the last four digits), have your phone remember the rest of the number, and then dial it for you.

To place a call using four-digit dialing:

1. Dial any four consecutive digits of a phone number that you have stored in your Internal Phone Book. The stored phone number can be any length up to 32 digits.
2. Press to display the Digit Dial menu.
3. Press (1) for 4-Digit Dial. The phone dials the phone number automatically.

Note: If your Internal Phone Book has more than one phone number stored that contains the four digits, "W ait" and all numbers containing the four digits will be displayed.Scroll through the displayed phone numbers to highlight the desired number, and then press (to be connected.

## Pause dialing

When you call automated systems (like banking services), you are often required to enter a passw ord or account number. Instead of manually entering the numbers each time, you can store the numbers in your Internal Phone Book, separated by special characters called pauses.

There are two kinds of pauses that can be entered on your Samsung PCS Phone:

Hard pause -A hard pause stops the dialing sequence until you press the besid button.

Two second pause -A two second pause stops the dialing sequence for two seconds and then automatically sends the remaining digits.

Your phone has two pause dialing methods: pause dialing from the Internal Phone Book (see"Pause dialing from a stored Internal Phone Book entry" on page 37), and manual pause dialing (see"Manual pause dialing" on page 39).
Note: Multiple two second pauses can be entered to extend the length of a pause. For example,two consecutive two second pauses cause a total pause time of four seconds. However, keep in mind that pauses count as digits tow ards the 32 digit dialing maximum.

## Storing pauses in an Intemal Phone Book entry

To store a number in your Internal Phone Book that contains pauses:

1. Enter the phone number you want to store (such as the bank's teleservice phone number).
 to enter the desired pause.

Press [48, to enter a Hard Pause.The letter "p"displays in the number, meaning that a hard pause will occur at that point in the dialing sequence. Enter the digits that need to follow the pause (such as your account number).
Press to enter a two second pause.The letter " $T$ " displays in the number, meaning that a"Timed"pause will occur at that point in the dialing sequence. Enter the digits that need to follow the pause (such as your account number).
3. Store the number in your Internal Phone Book as you normally would by pressing the key and following the screen prompts.

## Pause dialing from a stored Intemal Phone

 Book entryPause dialing from the Internal Phone Book is easy:

1. If you stored the number using a two second pause(s), simply dial the number from the Internal Phone Book. The phone transmits the number that follows the " $T$ " pause two seconds after connection. "SENDING DTMF" flashes on the screen (the transmitted tones are audible).
2. If you stored the number using a hard pause(s), simply dial the number from the Internal Phone Book and wait for the appropriate prompt from the number you are calling (credit card number, bank account number, etc.). When prompted, press to send the DTMF number that follows your hard pause. "SENDING DTMF" flashes on the screen (the transmitted tones are audible).

## Manual pause dialing

To perform manual pause dialing without first storing the number in the Internal Phone Book, enter pauses manually using the Digit Entry menu during the dialing process.
To manually dial a number using a pause(s):

1. Enter the phone number of the service you want to call (such as a bank's teleservice phone number). For example, your bank's teleservice phone number might be an 800 number.
2. Press (to display digit dialing options.
3. Press the associated digit key to select an option:

Press 4\&E, for a Hard Pause. The screen displays a"p" indicating a hard pause. Enter the number to be sent after the pause by pressing the digit keys, and then press After connecting, press again to transmit the additional number.
Press for a two Second Pause. The screen displays a " $T$ " indicating a timed pause. The screen prompts for the number to be sent after the pause. Enter the number to be sent after the pause by pressing the digit keys, and then press (The phone transmits the number that follows the pause two seconds after connection.
Note: Storing numbers is recommended if you plan to dial the number in the future.

## Audible alerts

Your phone will beep at you from time to time to let you know that certain things have happened. You can easily turn these beeps off or on. Following is a description and a simple procedure to turn them on or off.

## Service alert

A service alert is two short beeps that sound when:
The phone experiences a dropped call or a failed call.
The phone enters or leaves a service area.
To set the service alerts on or off:

1. Press (Ines) to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press for Alert.
5. Press 20 s for Service.
6. Press the scroll keys to toggle between On / Off.
7. When the desired option displays, press to save the setting.

## Minute beep

You can set the minute beep option to sound an alert 10 seconds before each elapsed minute to remind you of the length of the current call.
To turn minute beep on or off:

1. Press (to display the Main menu in Standby mode before placing the call.
2. Press for Setup / Tool.
3. Press 1 for Sounds.
4. Press 5: for Alert.
5. Press 1 for Minute Beep.
6. Press the scroll keys to toggle between On / Off.
7. When the desired option displays, press to save the setting.

## Display options

Your Samsung PCS Phone has several easy-to-use display options. These allow you to:

Control when and how long your backlight is on. Define a personal greeting of up to 12 characters. Control the brightness (or contrast) of the backlight. Set the language (English or Spanish) used on your screen and spoken for voice dialing prompts.
View the hardware and software versions of your phone.

## Backlight control

You have several options for setting how the backlight operates. When the phone is closed, the backlight remains off, thus conserving battery pow er. When the phone is open, the length of time that the backlight remains on can be set as explained below. Remember that backlight use drains your battery faster.To select backlight options:

1. Press (Und) to display the Main menu.
2. Press for Setup / Tool.
3. Press (2usf for Display.
4. Press (1) for Backlight.
5. Press the scroll keys to scan menu options: Flip Open, 8 , 15,30 Seconds (after last keypress), or Off.
6. When the desired option displays, press to save the setting.

Note:The Backlight options work the same as described above when the phone is attached to the optional handsfree car kit.

## Personal greeting

Your phone comes with a greeting that reads"SAMSUNG PCS". This greeting displays in Standby mode.You can personalize this greeting with anything you want up to 12 characters.Here's how to do it:

To modify your personal greeting:

1. Press (Unes) to display the Main menu.
2. Press 层 for Setup / Tool.
3. Press 20 for Display.
4. Press 2 se for Greeting.Your current greeting displays.
5. Enter a new personal greeting by pressing the alphanumeric keys on the keypad. When entering your greeting, the phone defaults to alpha text (lower case) input mode. Press the (VEDD key for more text entry options.
6. Press to save your personal greeting.

## Backlight contrast control

The brightness (or contrast) of your backlight can be easily changed. To change the setting or view the current setting:

1. Press (ung) to display the Main menu.
2. Press for Setup / Tool.
3. Press $2 a \mathrm{~s}$ for Display.
4. Press (3) for Contrast.
5. Press the scroll keys to scan menu options:Highest, High,Med,Low and Lowest.
6. When the desired option displays, press to save the setting.

## Setting the language of your phone

Your Samsung PCS Phone can display all menus and messages in either Spanish or English; all verbal prompts will also be spoken by the phone in the selected language.It's quick, easy and very convenient for bilingual families or friends.Here's how to do it:

1. Press (Unes) to display the Main menu.
2. Press for Setup / Tool.
3. Press ' $\bar{g}$ ' for Language.
4. Press the scroll keys to select English or Spanish.
5. When the desired option displays, press to save the setting.The change is immediate and affects all menus and screens.

## Displaying your phone's software and hardware versions

You can view the software and hardware versions of your phone.

1. Press (Uney) to display the Main menu.
2. Press for Setup / Tool.
3. Press (20s) for Display.
4. Press 4\&8, for Version.Information about your phone's hardw are and software displays.
5. Press (CE) to return to the previous screen.

## Ringer options

Your Samsung PCS Phone provides a variety of ringer options in the Sounds menu.These options allow you to customize your ringer type and ringer volume settings so that you can easily recognize when a certain type of call is coming in.

## Ringer type setting for voice calls

This option enables you to set a unique ringer type for incoming voice calls.Also, incoming voice calls which have Caller ID can be distinguished from those that do not by selecting different tones.

To set the ringer type for voice calls:

1. Press (0ne to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press $2 a y$ for RingerType.
5. Press for Voice Calls.
6. Press (1) to set the ringer type for calls that have Caller ID info or $2=1$ for calls without Caller ID info.
7. Press the scroll keys to scan nine ringer types and four melody tones. Each tone sounds as you scroll the options.
8. When the desired ringer type sounds, press to save the setting.

## Ringer volume setting for voice and fax calls

There are two ways to set the ringer volume for voice and fax calls:

From Standby mode, press the volume keys until the desired volume is reached.The options are High, Med, Low,Vibrate, 1-Beep or Off.
In the Main menu:

1. Press (Unes) to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press (1) for Ringer Volume.
5. Press (1) for Calls.
6. Press the scroll keys to High, Med,Low, 1-Beep, Vibrate or Off.
7. When the desired ringer volume setting displays,press , 8 to save the setting.

## Ringer type setting for message calls

This option enables you to set a unique ringer type for incoming message calls. This means you can have distinct ringer types for Voicemail notifications, Text messages, numeric pages and Wireless Web messages. (WirelessWeb message notification may not be available at time of printing.)

To set the ringer type for voice calls:

1. Press (UEX) to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press 2asf for RingerType.
5. Press (2as) for Messages.
6. Press (1) for Voicemail, 20 for Page, or LG\& , for BrowserMsg.
7. Press the scroll keys to scan nine ring types and four melody tones. Each tone sounds as you scan the options.
8. When the desired ring type sounds, press to save the setting.

## Ringer volume setting for message calls

This feature enables you to select a unique ringer volume for incoming message calls. This volume setting applies to incomingVoicemail notifications,text messages and numeric pages.
To set the ringer volume for message calls:

1. Press (ound to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press (1) for Ringer Volume.
5. Press 2as for Messages.
6. Press the scroll keys to High, Med,Low, 1-Beep,Vibrate or Off.
7. When the desired volume setting displays,press to save the setting.

## Ringer type setting for your alarm

This option enables you to set a unique ringer type for your alarm.
To set the ringer type for the alarm:

1. Press to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press 2as for Ringer Type.
5. Press (3) for Alarm.
6. Press the scroll keys to scan nine ring types and four melody tones. Each tone sounds as you scan the options.
7. When the desired ring type sounds, press to save the setting.

## Ringer volume setting for your alarm

This feature enables you to select a unique ringer volume for your alarm.
To set the ringer volume for your alarm:

1. Press (one display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press (1) for Ringer Volume.
5. Press (3) for Alarm.
6. Press the scroll keys to select High, Med,Low or Off.
7. When the desired volume setting displays,press to save the setting.

## Ringer type setting for fax calls

This option enables you to set a unique ringer type for fax calls.

To set the ringer type for fax calls:

1. Press (VEx) to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press 2as) for RingerType.
5. Press L4\&e, for Data/Fax In.
6. Press the scroll keys to scan nine ring types and four melody tones. Each tone sounds as you scan the options.
7. When the desired ringer type sounds, press to save the setting.

## Ringer type setting for roaming calls

This option enables you to select a distinctive ringer type for incoming roaming calls (this feature is on by default).

To set a distinctive ringer for incoming roaming calls:

1. Press (UEXD) to display the Main menu.
2. Press for Setup / Tool.
3. Press (1) for Sounds.
4. Press for Roam Ringer.
5. Press the scroll keys to choose Distinctive or Normal.
6. When the desired ringer type displays, press to save the setting.

## Voice-activated dialing

Your Samsung PCS Phone features Voice-activated dialing. When on the Digital PCS Network, you can call up to 20 stored entries by speaking the name into the microphone. Using the voice-activated dialing option requires that you first program the phone to recognize the name of the person you are calling.

Note: Voice-activated dialing does not w ork when your phone is in analog mode.

## Tips on recording names

Avoid recording similar names phonetically. If you record a similar name to one that is already stored in a voice-dial memory, the phone requests another name.

Avoid recording in a noisy place.
Speak clearly and naturally.
The person who will use the phone should record the name. The phone does not recognize anyone else's voice.
Avoid very long or very short names. Names with two to five syllables are recommended.
If a voice dial entry does not properly connect, you may need to record the name and number again.

## Programming the phone for Voice-activated dialing

Programming your Samsung PCS Phone for Voice-activated dialing is easy.The phone provides voice prompts and screen displays to guide you through the recording process.To program the phone for voice-activated dialing:

1. Press (Ung) to display the Main menu.
2. Press face, for Voice Dial.
3. Press (1) for Record. The phone will prompt you to say the name you want to program.
4. Wait for the beep and then say the name. For best results, use names with at least two syllables, or use both a first and last name. The phone stores the name as a "first"sample, and then prompts you to say the name again.
5. Respond to the prompt by repeating the name after the beep exactly as you did the first time.The phone stores the name as a second sample and then requests the phone number.
6. Enter the phone number on the key pad.
7. To store the phone number, press The number you entered displays, along with the notification "Recorded". If the number you entered matches a name/number already stored in your Internal Phone Book, then the name also displays.
8. The screen then returns to the Voice Dial menu.

Note: For Voice-activated dialing in HandsFree mode, refer to the optional handsfree car kit manual.

## Voice-activated dialing setup

Voice-activated dialing is alw ays on once you have programmed the phone to accept voice dialing entries. To place voice-activated dialing calls, press and hold. Then say the name into the phone after you hear the voice prompt and the beep.

You can also initiate a voice dialing call by simply opening the phone, when this option is selected through the Main menu.

To change voice dialing setup options:

1. Press (one display the Main menu.
2. Press rear for Voice dial.
3. Press [4\|), for SetActive.
4. Press the scroll keys to toggle between options:

SEND Only:Enables voice dialing by pressing and holding (exe).
SEND / Flip: Enables voice dialing by pressing and holding (when the phone is open), or by simply opening the phone.
5. When the desired option displays, press to save the setting.

## Placing a call using voice dialing

To place a call using voice dialing:

1. Press and hold or open the phone (if set in the Main menu).
2. At the voice prompt,say the name into the phone.

The phone places the call if it recognizes the name.
If the phone does not recognize the name, it prompts for the name again.
If the phone is unable to recognize the name after two attempts, it says "The name cannot be recognized." and the following message displays:"Cannot recognize name. Please check name.". The phone returns to Standby mode automatically, and you can try the call again later.

## Reviewing voice dialing entries

To review voice dialing entries:

1. Press (Une to display the Main menu.
2. Press for Voice Dial.
3. Press 2 E for Review.A list of your stored voice dial numbers display (the names also display if stored in the Internal Phone Book).
4. Press the digit key to select the desired entry or scroll to the desired entry and press 9 . The recorded name plays audibly.You can quickly scroll entries without having to listen to each one, or you can listen to them all as they play in order.
5. Press (CED to return to the previous screen.

## Erasing voice dialing entries

To erase an individual voice dialing entry:

1. Press (Unex) to display the Main menu.
2. Press for Voice Dial.
3. Press 2 z for Review.A list of entries displays.
4. Press the digit key to select the desired entry, or scroll to the desired entry and press \$. The recorded name plays audibly and you are prompted with "OK:Erase".
5. Press to erase that entry. If this is not the entry you wanted to erase, you can quickly scroll to another entry.
To erase all Voice Dialing entries:
6. Press to display the Main menu.
7. Press for Voice Dial.
8. Press (3) for Erase All. You are given a confirmation screen and a confirmation voice prompt.
9. Press to erase all voice dialing entries or (cू) to return to the previous screen.

## Emergency dialing

You can place calls to emergency numbers, even if your phone is locked (see "Lock mode" on page 83).

## The Intemal Phone Book

Your Samsung PCS Phone lets you store up to 249 numbers and names in the Internal Phone Book. Each entry can have up to 6 associated phone numbers. Each entry can contain up to 32 digits including hard pauses, with an associated name of up to 12 characters. Name entry is optional. Stored phone numbers can be categorized as one of six categories Home, Work,Mobile, Pager, Fax and No-label. You can even specify the memory location of your choice for each entry. Memory locations can be marked "Secret"preventing the unauthorized from seeing the telephone number.
One-touch, two-touch, and three-touch dialing from your Internal Phone Book makes it easy to call a phone number stored in your Phone Book. See "Shortcuts to Memory Dialing" on page 65.

## Viewing stored entries

You can locate and view your Internal Phone Book entries three different ways:

## Viewing stored entries in one step

The key allows you to view your entire Internal Phone Book in alphabetical order of the names (a-z).

1. Slide the key up to access the Internal Phone Book by location order. Slide the key down to access the Internal Phone Book alphabetically. You may enter a letter to quickly access a particular entry.
2. Slide to navigate through your stored entries.

You can place a call by finding the name that you want to call using this One Step Internal Phone Book access and pressing the key.

Finding stored entries by name

1. Press to display the Main menu.
2. Press 2as for Phone Book.
3. Press (1) for Find Name.

Stored names display in an alphabetical list.
4. Using the alphanumeric keys enter the first character of the name that you want to find in your phone book.The phone searches for and displays the first Internal Phone Book entry beginning with the character you entered. You can enter the second character of the name and your phone will display name entries beginning with the two characters you entered. You can also scroll through Phone Book entries using the navigation keys.
5. When you find your desired entry, make sure it is highlighted, and then press (seed to place a call, or to edit the entry.

## Finding stored entries by location

1. Press (0) to display the Main menu.
2. Press (2ask for Phone Book.
3. Press 46, for Find Entry.
4. Press the corresponding digit keys to enter and display your desired location or use the navigation keys to locate an entry, make sure it is highlighted and then press to display the selected entry.

## Storing phone numbers and names

To store phone numbers and names:

1. Press (Une) to display the Main menu.
2. Press 2ag for Phone Book.
3. Press 200 for Add New Entry.
4. The screen prompts for the phone number. (You can enter up to 32 digits.) Press the digit keys to enter the phone number.The number displays from left to right.
5. Press (GED) to enter a hard or two second pause or press for the next prompt.
6. Select a Label for your new entry, your choices are:
Press Home
Press 2as Work
Press (30) Mobile
Press Pager
Press Fax
Press No Label

The phone prompts for a name.
7. Press to select <Add New Name> and create a new Internal Phone Book entry.You will add name the new entry later.
8. Enter the name at the screen prompt and press (The text entry mode default isAlpha).
9. To accept the displayed location, press or to select another location press the navigation keys to scroll to the desired location and press

## To add a new phone number to an existing entry

To store phone numbers and names:

1. Press (Une to display the Main menu.
2. Press 2as for Phone Book.
3. Press $2 a \mathrm{~F}$ for Add New Entry.
4. The screen prompts for the phone number. (You can enter up to 32 digits.) Press the digit keys to enter the phone number. The number displays from left to right.
5. Press to enter a hard or two second pause or press for the next prompt.
6. Select a Label for your new entry, your choices are:
Press 1 Home
Press $2 a=$ Work
Press (30) Mobile
Press Pager
Press Fax
Press No Label
7. At the Name? prompt, use the navigation keys to scroll to the Internal Phone Book entry that you are adding a number to. Press to store the new phone number.

Note: If the desired memory location already contains an entry, the phone displays a message asking if you want to replace the current entry. To replace the entry, press To return to the previous screen and select another location, press (ca). You can only use each label one time for each stored name (for example, you can only have one number labeled Work for a name entry).

## Shortcuts to storing phone numbers

You can store a phone number quickly by entering the number, and then pressing . Then follow the prompts to designate the label, name and entry.You can quickly save a number after an incoming or outgoing call. See below for "Storing phone numbers at the end of a call."

## Displaying my phone number

To display the phone number of your Samsung PCS Phone:

1. Press (Unes) to display the Main menu.
2. Press Zase for Phone Book.
3. Press (3) for My Phone\#.
4. Press to return to previous screen.

## Storing phone numbers at the end of a call

To store a phone number after ending a call:
Note: If the call was incoming, and Caller ID information was not available, then the store option will not be available.

1. Once you have pressed to end your call, the screen displays the call time (length of call), phone number of the party (if available), and the "OK:Save"option.
2. To store the phone number, press The procedure at this point is the same as "To store phone numbers and names:" on page 58.

## Prepend a phone number

Your Samsung PCS Phone includes a Prepend feature (to temporarily disable call waiting, for example).This feature lets you add a temporary prefix to telephone numbers stored in the Internal Phone Book.

To Prepend a stored phone number:

1. Press to display the Main menu.
2. Press 2og for Phone Book.
3. Find the number you want to Prepend using one of the search methods described under "Viewing stored entries" on page 56 and then press
4. Press to display options.
5. Press 4as, to Prepend the number.
6. The screen displays "Prepending". Use the digit keys to enter the calling prefix and then press (owe to place the call.

## Adding a Name Ringer

You can associate one of 13 different ringers (four melodies and nine tones) to numbers stored in your Internal Phone Book. When you receive an incoming call from a number matching an entry in your Internal Phone Book your phone will sound the associated ringer to announce the call.

Note: If the Caller ID information was not available for an incoming call then the Name Ringer option will not be available.

To add a Name Ringer to an Internal Phone Book entry:

1. Press (0ne to display the Main menu.
2. Press 2as for Phone Book.
3. Find the number you want to add a Name Ringer to using one of the search methods described under "View ing stored entries" on page 56 , and then press
4. Press (VEn) to display options.
5. Press to add a Name Ringer.
6. Your phone displays the current ringer setting. Use the scroll key to listen to available ringers and melodies.
7. Press to save your ringer selection.

## Changing Your Intemal Phone Book

## Editing Intemal Phone Book numbers

Once you have stored a number in the Internal Phone Book you can easily change it.To change an Internal Phone Book entry:

1. From Standby mode, find the Internal Phone Book entry that you want to change by sliding the key down and then scrolling to the name.
2. Press the key to display the name and number.
3. Press the (uney key for options.
4. Press (3) for Edit.Your edit options display. If the number has been designated as Secret you are prompted to enter the Lock Code.

Press (1) to change the number.
Press $2 a s$ to change the name.
Press (o) to move the number to a different location.
Press [4E, to make the number secret.
Press to to Set Speed Dial number.

## Secret Intemal Phone Book numbers

Your Samsung PCS Phone allows you to hide a confidential number so that only a person with your phone's lock code can view the number and name.To make a number secret, see the previous paragraph. When you have made the number secret, the phone will not allow anyone to view information on the number unless they enter your four-digit lock code.

## Erasing Intemal Phone Book entries

To erase an entry in the Internal Phone Book:

1. From Standby mode, find the Internal Phone Book entry that you want to change by sliding the key up and then scrolling to the name.
2. Press the key to display the name and number.
3. Press the key for options.
4. Press for Erase.
5. Press to erase. Your phone will prompt you for confirmation.Press to confirm and erase the Internal Phone Book entry, or press (ci) to cancel the erase and return to the Internal Phone Book options menu.
The "Erased"notification displays along with the name, number, and location of the erased entry.

## Erasing the Intemal Phone Book

See "Erasing Your Internal Phone Book" on page 87.

## Set Speed Dial

For each name entered in the Internal Phone Book, one of the programmed numbers should be designated as the speed dial number.

1. From Standby mode, find the number that you want to change by sliding the key down and then scrolling to the name.
2. Press the key to display the name and number.
3. Press the key for options.
4. Press ( 3 ) for Edit.
5. Press for Set Speed Dial.
6. Press to Set Speed Dial.The message "Speed Dial Saved"displays. To cancel press (cू) to return to the previous menu.

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## Dialing numbers from your Intemal Phone Book

Dialing numbers from your Internal Phone Book is quick and easy.There are five methods explained below.

## Shortcuts to Memory Dialing

Scroll to the number: From Standby mode, slide the key up or down to enter your Internal Phone Book list. Scroll until you find the desired person or number, and then press the (esey.

One-Touch Dialing: Press and hold the associated digit key for the location (applies to memory locations 1 through 9).
Two-Touch Dialing: Press and release the first associated digit key, and then press and hold the second digit key (applies to memory locations 10 through 99).

Three-Touch Dialing: Press and release the first associated digit key, then press and release the second digit key, then press and hold the third digit key (applies to memory locations 100 through 249).

Four Digit Dialing *. From the Standby mode, enter four consecutive digits of a stored number (for example, the last four digits of a number) and press (iex.
Speed Dialing:
From Standby mode, enter the number of the memory location, and press (iem).
*This feature that are not supported by your network operator may not be available.

## Calendar

Your Samsung PCS Phone features a Calendar to help you keep track of important dates and events, create To Do Lists, set a Count Down alarm, check the time in another part of the world and perform numerical calculations.
To access your Calendar press (GW), or slide to the left. Press the associated digit key to access one of the Calendar options or navigate to the option you want and press to access that option. Calendar has the following options:

1:Today
2: Month View
3: Jump To Date
4:To Do List
5:Countdown
6:Alarm Clock
7:World Clock

## Today

You can schedule up to nine events for the current day indicating each event's start and end time. You can even have your phone's Calendar alert you before an event is to start.Events scheduled for future dates automatically appear on your Today events schedule on that day. For one key access to Today events slide to the left.
Here's how to enter an event:

1. Press (0) to display the Main menu.
2. Press 5or Calendar.
3. Press (1) for Today.
4. Enter your event information, you can enter up to 32 characters. For more information on Text and Symbol Entry refer to "Entering text, numbers or symbols" on page 96.
5. Press to accept your entry.
6. Enter the Start Time and Date, and press
7. Enter the End Time and Date, and press
8. Select an alarm to notify you of your event. Your Alarm options are: 10 minutes Before, 30 minutes Before, 1 hour Before, No Alarm and OnTime.

To view an event:

1. Press (Vine to display the Main menu.
2. Press 5. for Calendar.
3. Press (1) for Today.
4. Use the navigation key(s) to display all of an events information. If you have more than one event use the navigation key( (to display more events.
To Add, Edit or Erase Events:
5. Press (Unen) to display the Main menu.
6. Press 5. for Calendar.
7. Press (1) for Today. If you have more than one event scheduled slide up or down to display all events one at a time.
8. To add a New Event for Today press (VEND (1.
9. To Edit an Event,navigate to the Event to be edited and press (VIND (2as.
10. To Erase an Event, navigate to the Event you want to erase and press (VEn)


## Month View

Month View allows you to view in calendar format the current month, or a past or future month. In Month View, the current date is highlighted on the calendar. Days with scheduled events are underlined. When in Month View, the scroll keys work like this:

To move up or down the Calendar by one week, slide sup or down.
To move right or left one day, slide left or right.
To display the next or previous month press
Access Month View as follows:

1. Press (ound to display the Main menu.
2. Press 5ar Calendar.
3. Press $2 a s$ for Month View.

Remember, the current date is highlighted.
Use the navigation key(g) to select the month and day.
To view a scheduled event, to add a new event or to edit or erase an event on your Calendar:

1. Press to display the Main menu.
2. Press 5. for Calendar.
3. Press 200 for View Month.

The current date is highlighted.
Use the navigation key (o) to select the month and day.
4. Press to display events for the selected day. If no events are scheduled for your selected day (the date is not underlined) your phone will automatically go to the New Event function.

If more than one event is scheduled for Today, use the navigation key(s) to view all events for the day you selected.
5. Press or (c) to return to the Calendar.
6. Press to display the Options menu. Choose what you want to do:New Event, Edit Event, Erase Event and Exit.All of these options work as described above.

## J ump To Date

Jump To Date allows you to specify the calendar date you want to view. Once at your desired date you can enter, edit and erase events in your calendar.

Using Jump To Date:

1. Press (Unes) to display the Main menu.
2. Press 5ar for Calendar.
3. Press (3) for Jump To Date.
4. Enter the date using the digit keys.
5. Press to display the Calendar and jump to the date you selected.

To add, edit or erase events refer to "Month View" on page 68.

## To Do List

Your To Do list can help you keep track of and prioritize the things you need to do.You can enter and prioritize up to 20 items on your To Do List.
Here's how to create aTo Do List:

1. Press (one display the Main menu.
2. Press 5ar Calendar.
3. Press 46e, forAdd To Do.
4. Enter the item you need to do.To input text and characters refer to "Entering text, numbers or symbols" on page 96.
5. Press
6. Enter the time and date and press
7. Using the navigation key(s), set the priority for aTo Do List item. Your choices are High and Low.
8. Press to save your prioritized To Do List item.

To view, edit, add or erase To Do List items

1. Press (Un) for the Main menu.
2. Press 5: for Calendar.
3. Press [48), for To Do List.
4. Using the navigation key(s) find the To Do List item you want to change and press (UEN).
5. Press the digit key corresponding to the action that you w ant.Your choices are New Item, Edit Item, Erase Item and Exit.
6. Continue to add a new item, edit an existing item or erase an existing item by following the prompts.

## Count Down

Have you ever wanted to know how much time it takes you to do something, or how many minutes, hours, days and months until a special event?The Count Down option can help you answ er these questions.You can create up to 5 Count Down timers using the Count Down feature in Calendar.

To enter a Count Down:

1. Press (o) display the Main menu.
2. Press 5ar for Calendar.
3. Press for Countdown.
4. Press (ung to display options.
5. Press (1) to enter a New Item.
6. Enter the name of your new Count Down.To input text and characters refer to "Entering text, numbers or symbols" on page 96. Press when complete.
7. Enter the date and time that you want to Count Down from or Count Down to. For example, if today's date is February 14,2000 and you want to know how many months, days and hours are left before 7:00PM February 24,2000 enter the time 07:00PM and the date 02/24/2000.
Press the volume keys to toggle betw een AM and PM or press (2as) forAM or for PM.
Count Downs can be entered for dates between the years 1980 and 2099.
8. Press to save your new Countdown item.

## To view and add, edit or erase a Count Down:

1. Press (
2. Press 5. for Calendar.
3. Press 5. 5or Countdown.

Count Down timers display in order of least amount of time passed since the Count Down was started, and least amount of time remaining until the specified date.

## Alarm Clock

Your Samsung PCS Phone has an alarm clock inside of it with three separate alarms.Each alarm can be set to go off one time or to go off daily at a time that you have programmed. Once you set an alarm, it is easy to change it's time or to turn it off.
To set theAlarm:

1. Press (Unex) to display the Main menu.
2. Press for Calendar.
3. Press for Alarm Clock.
4. Select the alarm you want to set by pressing 1 , (2as) or (3ं).
5. Choose ""Daily" or "No Repeat" for the alarm.
6. Enter the date and time for the alarm. Use the volume key on the side of the phone to select AM or PM or press (2as) for AM or for fM. Note that no date setting is available for a Daily alarm.
7. Press to save the alarm setting.Your phone returns to the Alarm menu showing the date and time of each alarm that is set.

## To edit or erase a programmed Alarm:

1. Press (Unes) to display the Main menu.
2. Press for Calendar.
3. Press for Alarm Clock.
4. Select the alarm you want to set by pressing 1 , (2007, or (3戶).
5. In the Options screen, press 1 for Edit or 2ask for Erase. If you chose Erase, the alarm is immediately erased and you are returned to theAlarm menu. You can also choose (3) (Exit) if you change your mind.
6. If you chose Edit, then choose""Daily" or "No Repeat" for the alarm, and enter the new date and time for the alarm. Use the volume keys on the side of the phone to selectAM or PM or press $2 \pi$ for AM or for PM.
7. Press to save the new alarm setting.Your phone returns to the Alarm menu showing the date and time of each alarm that is set.

## World Clock

Have you ever wanted to call a friend in another part of the world but w ondered what time of the day it is there?To know what time it is before you call, use the World Clock function of the Calendar. World Clock will tell you what time it is in twenty-four different time zones around the world along with one or more major cities, states, regions or countries in a time zone.

## Checking the current time in another city or country:

1. Press (Ung) to display the Main menu.
2. Press 50r Calendar.
3. Press for World Clock.
4. Use the navigation keys to find the current time in one of the following 24 time zones (time zones are identified by one or more cities, states, regions or countries in a time zone):

| - San Francisco | - Denver,Arizona |
| :--- | :--- |
| - Chicago,Mexico | - New York, D.C. |
| - Caracas | - BuenosAires |
| - Mid Atlantic | - Cape Verde |
| - London, Madrid | - Paris,Berlin |
| - Athens,Helsinki | - Moscow |
| - Abu Dabi | - Tashkent |
| - Alma-ata | - Bangkok, Jakarta |
| - Hong Kong,Beijing | - Seoul,Tokyo |
| - Guam, Sydney | - Okhotsk |
| - Wellington | - Samoa, Midway |
| - Honolulu, Haw aii | - Alaska |

5. Press C Ca to return to Calendar or to return to Standby mode.

## Calculator

You can perform calculations including addition, subtraction, multiplication and division on your phone.

To perform a calculation:

1. Press (one display the Main menu.
2. Press 4is) for Calculator.
3. Press digit keys to enter the first number in your calculation.Numbers can be up to 9 digits long.
Press [se, to enter a decimal point.
Press to change the sign of a number to a negative (-).
4. Slide anywhere to set the operator for your calculation.Your choices are:
[+] addition
[-] subtraction
[x] multiplication
[/] division
5. Press digit keys to enter the second number of your calculation.
6. Press to perform the calculation and see the result,or:
7. You can continue to perform calculations with the same operator or change the operator and continue your calculations. Every time that you change the operator, the previous calculation is performed and the result is displayed as the top number in the display.
8. Press to perform the calculation and see the result.

## Voicemail

## Setting up your Voicemail box

Setting up your Voicemail box provides access to voicemail messages.
To set up your Voicemail box ask your service provider.

## Reviewing Voicemail messages

To review voicemail messages from Standby mode, use
One-Touch Access (see below) or:

1. Press to display the Messages menu.
2. Press for Voicemail.The screen displays "Voicemail New".
3. Press:
(1) to listen to voicemail messages.

2us to reset the display icon for voicemail.

## One-Touch Access to your Voicemail box

Your phone allows you to have One-Touch Access to your voicemail box.This is done from Stand by mode by pressing and holding

Messaging
Your Samsung PCS Phone receives four kinds of messages: voicemail,text, numeric pages and Browser messages. (Wireless Web message notification may not be available depending on your service provider.)

## Incoming Messages

Your phone receives incoming messages in both Standby and Talk modes. When you are on a call and receive a message, your phone automatically mutes the ringer and provides the call waiting tone (this is to avoid ringing in your ear while you are trying to talk).

## Receiving a Message in Standby mode

When your phone receives a message in Standby mode, the ringer sounds (unless turned off), and the screen displays ("New Voicemail","New Text","New Page" or "New BrowserMsg").The message indicator ( ) displays and remains on the screen until you listen to the new voicemail message, or read the new Wireless Web message,text message or numeric page.

## Receiving a Message while on a call

If you receive a new text message or numeric page while on a voice call, the Call Waiting tone sounds and a message header displays. You can easily review the new message while on the call by just pressing . Your call will not be disconnected, and you can ask the other party to wait while you review the message. If you are using the optional handsfree headset, then you can read the message while continuing your conversation.

## Reviewing Numeric Pages, Text Messages, and Browser Messages

When the message arrives, you can immediately review it by pressing 8 , or store the message for later review by pressing (č). The Messages menu provides options for review ing the sender's name, phone number, time / date stamp and the message.

Note: Brow ser message notification may not be available at time of printing.

To review a stored (or old) numeric page, or text message from Standby mode:

1. Press to display the Messages menu. The number of new (unread) messages displays next to the associated message type in the menu.
2. Press (2us) for Page/Text or (30) for Browser Msg.A list of messages displays.An exclamation point (!)next to an entry indicates an urgent message.A check mark $(\sqrt{ })$ next to an entry indicates that you have read the message.
3. Use the scroll keys to scroll the list of messages.
4. When the message displays, press to review the message.While reviewing the message the scroll keys operate like this:

Slide up/down to scroll up/down to the next message.
Slide left/right to page up/down in the current message.
Note: While review ing a message, you can press (Win) for more options. See "Message options" on page 80.
5. Press (č) to return to the previous screen.

## Message options

The Messages menu provides a number of options while you are reviewing text messages. You can return a call to the phone number in the message, save or erase the message,scroll to the next or previous message, or extract a phone number that is included in the message.

1. While reviewing a message, press (Ener for options:

Press 1) for Talk (to call the phone number).
Press $2 a \mathrm{~s}$ to Save the number (if there is no Internal Phone Book match).
Press (
Press [46), to review the Next message.
Press 5: to review the Previous message.
Press to extract a phone number that was included by the sender of the message. If more than one number was included by the sender then a list of the numbers is presented to you, and you can extract the one you want.
2. Press (CE) to return to the previous screen.

Note: If the message you are reviewing contains a phone number that is already stored in the Internal Phone Book:
the Save option does not display, and the available menu options w ill be: (1) Talk, (2) Erase, (3) Next Msg, (4) Previous Msg.
the message sender's name appears as stored in the Internal Phone Book.

## Erasing individual messages

You can erase an individual text message or numeric page after review ing it.
To erase a text or numeric page:

1. Press 9 to display the Messages menu.
2. Press (2as) for Page/Text,
3. Use the navigation keys to scroll to the message you want to erase.
4. When the message is highlighted, press The message header and body will display.
5. Press (Ex) for more options.
6. Press ( 3 ) to erase the message or (c) to return to the Messages menu.

## Erasing all Page/Text or Browser Messages

You can erase all text/numeric page messages or all Browser messages.

To erase all Page/Text messages or all Browser messages:

1. Press , to display the Messages menu.
2. Press [48) for Erase.
3. Press (1) for Page/Text or 2 z for Brow serMsg.
4. A confirmation displays.Press to erase all messages or (CE) to return to the previous screen.

## Message ringing

Your Samsung PCS Phone allows you to set a unique ring type for each type of incoming message: voicemail,Browser, text or numeric page (see"Ringer type setting for message calls" on page 47).

## Message memory capacity

Your Samsung PCS Phone can store up to 100 messages, depending on the length of the messages. When message memory reaches $75 \%$ capacity, the screen displays "Memory is $75 \%$ full. Erase old messages." At 100\% capacity, the screen displays a text notification and rejects additional incoming messages until you erase the stored messages.

## Messages and Lock mode

Incoming messages are received even when your phone is in Lock mode. However, the screen will display the time and date of the message but you cannot access the message.To access the message,unlock the phone to proceed.

## Your phone's security features

Your Samsung PCS Phone provides security options, including a user-programmable lock code and special phone number features. To access the Security menu in Standby mode, press (GE), digit lock code (It depends on your service provider.).Press the associated digit key to access one of the following Security options:

1. Lock phone
2. Change the lock code
3. Program special numbers
4. Erase your Internal Phone Book
5. Reset phone

## Lock mode

Locking the phone limits all outgoing calls except calls to the three hard-coded emergency numbers, and the three user-programmable special numbers.

You can lock the phone manually during use, or set the phone to lock automatically when it is turned on. When the phone is in Lock mode, you can answer incoming calls, but you must unlock the phone to place outgoing calls (except to emergency and special numbers).

## Lock code setting

The default lock code for your Samsung PCS Phone is generally 0000,0123 or the last four digits of your phone number. You can enter a personal lock code and later change the lock code as often as you like.
To enter a new lock code:

1. Press (ITin) to display the Main menu.

2. Press 48, for Security and enter your current lock code.
3. Press (2as) for Change Lock. The current lock code displays.
4. Enter a new, four-digit lock code by pressing the digit keys.
5. Press to save the new lock code or to exit.

Note: Your phone does not allow view ing of the lock code unless you know the lock code (this is for obvious security reasons). So, if you change the lock code, be sure to write down the new code and keep it for your reference.

## Locking the phone

The Security menu allows you to lock the phone manually or automatically when powering on your phone or to leave the phone unlocked.
To lock the phone:

1. Press (one display the Main menu.
2. Press for Setup / Tool.
3. Press 48, for Security and enter your current lock code.
4. Press (1) for Lock Phone.
5. Press the scroll keys to select an option:

Unlocked: The phone remains unlocked.
Lock Now: The phone locks immediately and stays locked until the lock code is entered.

On Power-Up: The phone locks automatically the next time your phone is powered on and stays locked until the lock code is entered.
6. Press to save the setting.

## Dialing in Lock mode

You can place calls to emergency and special numbers in Lock mode. To place normal outgoing calls in Lock mode, enter the lock code to unlock the phone, and then dial the phone number.

To place an outgoing call in Lock mode:
To call an emergency or special number, enter the number and then press (ied.
To place normal outgoing calls, press (to display the lock code screen, and then enter the lock code. When the Standby screen displays, enter the phone number, and then press (ies).

## Special numbers

Your Samsung PCS Phone provides the option of storing three special numbers. Each special number can be up to ten digits long.
All three special numbers can be manually dialed at any time even when your phone is locked. This can be a useful feature for controlling what numbers can be dialed from your phone.

## Storing special numbers

To store special numbers:

1. Press (0ne to display the Main menu.
2. Press है for Setup / Tool.
3. Press 48, for Security and enter your current lock code.
4. Press for Special \#.
5. Press (1) , 2es) or (3) to select a location for the special number.
6. Enter the special number by pressing the digit keys. Special numbers can be up to ten digits long.
7. Press to save the number in the selected location.

## Dialing special numbers in Lock mode

To dial special numbers in Lock mode:

1. Enter the special number by dialing it as you normally would using the digit keys.
2. Press to place the call.

## Resetting your phone

Resetting the phone returns all setup options to the factory default settings.All of your important personal settings (Internal Phone Book, Voice Dial recordings, Voice Memos, Messages, Call Logs and Calendar) are not affected by resetting your phone.
To reset the phone:

1. Press (unes) to display the Main menu.
2. Press '冨: for Setup / Tool.
3. Press 48, for Security and enter your current lock code.
4. Press for Reset Phone.A confirmation displays explaining that you will reset the phone to factory defaults.
5. Press to reset the phone or press (c) to cancel the operation.
6. The phone reboots (turns itself off and back on), restores the default settings, erases your messages and then returns to Standby mode.

## Erasing Your Intemal Phone Book

You can erase all the numbers stored in your Internal Phone Book. This is useful if you want to give your phone to a friend or family member. Here's how to do it:

1. Press (UEXD) to display the Main menu.
2. Press for Setup / Tool.
3. Press [4E) for Security and enter your current lock code.
4. Press 4.48, for Erase Phone Book.A confirmation message displays explaining that you will erase the entire Internal Phone Book.
5. Press to erase the Internal Phone Book or press (CE) to cancel the operation.
6."Erasing Phone Book" displays first and when the operation is complete "Phone Book Erased"displays.The phone then returns to Standby mode.

## Keeping track of your calls

Your phone does a great job of telling you about it's calling activity and lets you easily return these calls.

Your phone retains these three lists in memory:
Incoming -the last 10 calls placed to your phone.
Outgoing - the last 10 calls placed from your phone.
Missed - the last 10 calls placed to your phone that you did not answer.

Each entry in the three lists is referred to as a Call Log. Each Call Log contains the name and phone number (if available), and a time/date stamp. In case of duplicate entries back-toback, the phone consolidates those logs and stores only the most recent call from or to the same number.
You can also erase your call log lists easily (see "Erasing Call Logs" on page 89).

In addition to Incoming, Outgoing and Missed lists, your phone maintains three airtime logs. See "Review ing airtime" on page 90 for information on this useful feature.

## Reviewing Outgoing, Incoming or Missed Calls

When displaying a Call Log, press to be immediately connected.

1. Press (Unes) to display the Main menu.
2. Press (1) for Call Logs.

Press the associated digit key to select an option:
Press (1) for Outgoing calls.
Press 2as for Incoming calls.
Press (
3. When the list of calls displays, press the scroll keys to scan the logs. The time / date stamp displays for each log. If there is an Internal Phone Book match, the name displays. If there is not an Internal Phone Book match, only the phone number displays.
4. When a log is highlighted you can press:
(used to be connected to that party.
© to review information available on that call (name and phone number (if available) and time/date stamp). When you are viewing this information you can press (Une) for more options (talk, save to your phone book, or prepend the number).
5. Press (ci) to exit the Call Logs list and return to the previous screen.

## Erasing Call Logs

You can erase any of the three lists (Outgoing, Incoming or Missed calls) or you can easily erase all three lists at once.
Here's how to do it:

1. Press (Unes) to display the Main menu.
2. Press 1 for Call Logs.
3. Press [4E, for Erase History.

Press the associated digit key to select an option:
Press (1) for Outgoing calls.
Press 2 Ek for Incoming calls.
Press ( $\overline{3}$ ) for Missed calls.
Press [48, for All Calls.
4. Press to erase or press (cू) to cancel the operation and return to the previous screen.

## Reviewing airtime

Your phone records (or logs) the amount of airtime or talk time used. There are three airtime measurements.

A "Total"measurement that lists the number of calls made to or from your phone, and the total time in hours and minutes for these calls. This airtime measurement can easily be erased by you at any time and therefore is convenient for measuring your usage on a daily, weekly, monthly, etc. basis.This feature is not intended for billing purposes.
A "Last Call measurement that shows the phone number, airtime, and the time/date stamp of the last call.
A "Lifetime" measurement that shows (in hours and minutes) the total time spent on all calls (incoming and outgoing) since your phone was placed into service.
This airtime log is kept for historical and maintenance reasons and cannot be erased.
For airtime measurement options:

1. Press (ung) to display the Main menu.
2. Press (1) for Calls.
3. Press 5. for Air Time.
4. The following three options are available:

Press (1) key for Last Call. The screen displays the airtime for last call.

Press (2as for Total.The screen displays the total number of calls and the total airtime for all calls since you set this total to zero (by using the "Erase Total" option). Press (cू) to return to the previous screen.
Press (3") for Erase Total.Press to to erase the "Total"airtime measurement, or press (cI) to cancel the operation and return to the previous screen.
Press [46) for Lifetime. The screen displays the total airtime (in hours and minutes) of every phone call that has been made to or from your phone.

## The Wireless Web Browser

Note: This feature is available only if your service provider offers the Internet service by wireless phone.

Your phone comes equipped with a MiniBrow ser which makes it possible for you to use the Wireless Web Brow ser.

TheW ireless Web Browser allows you to access up-to-theminute information through your Samsung PCS Phone.View specially designed text versions of popular Internet sites including Yahoo!@, CNN MobileSM and evenTheWeather Channele ${ }^{\circledR}$ (Depending on your service provider). Browsing the wireless web through your phone is unlike using your computer in that site providers have selected only the critical aspects of their site to present to wireless phone users and have removed most graphics.

Each time you launch the Wireless Web Browser, the phone will connect to the Internet through the Wireless Web Rates will vary according to your service option.
The Wireless Web will end the connection after a certain period of network inactivity and will automatically re-connect as necessary. For this reason, you may find that you are billed for several netw ork connections within a single session. This is normal and is designed to minimize your bill.

## The MiniBrowser Start and End Prompts

Each time you launch the MiniBrow ser, you will view a reminder that you will be charged for the connection time. If you wish to disable this reminder when it appears, follow the steps below:

1. Press (Unes) to display the Main menu.
2. Press for Setup/Tool.
3. Press re, for MiniBrow ser.
4. Use the scroll keys to select one of the four options:

Prompt None (You will never see the prompt.)
Prompt To Start (The default setting.You will see the prompt when you enter the brow ser, but not when you exit it.)
Prompt Both (You will be prompted when you enter or exit the browser.)
PromptTo End (You will see the prompt only when you exit the browser.)
5. Press to save your setting or (c) to cancel.

## Launching the Wireless Web Browser

Note: The first time you use theWirelessWeb Brow ser, you will be required to go through a security setup process that takes approximately three to five minutes. Please follow the on-screen prompts to complete the security setup process. This initial setup process occurs only the first time you access the service.

To launch the Wireless Web Brow ser:

1. From Standby mode, press (0ne or slide to the right. Your Samsung PCS Phone will access the Wireless Web.

Note: A reminder of the charge will appear. Select yes or no by sliding then press
2. Once connected, the Home page (or the last page visited) will be displayed.To access the Home menu page from any other menu in the MiniBrow ser, press and hold (cI. An example of a Home Page is shown below:

Home Page
1 Samsung
2 Yahoo!
3 Weather
4 Portfolio
5 More Internet
3. What appears on the display when accessing the MiniBrowser is dependent on the service provider content.To view additional text, use the scroll keys.

## To end the Wireless Web Browser Session

Simply press (nge to exit the MiniBrow ser. If the"Prompt to end" or "Prompt both" option is set in the MiniBrowser Setup ( (Vn) ; whether you want to end the MiniBrow ser call.

## Navigating the Wireless Web Browser

When you use the MiniBrow ser, some keys on your phone operate differently than during a normal phone call.These keys are explained below. The MiniBrow ser presents on-screen items in one of the following ways:
text or numeric input
links (embedded in content)
numbered options (some options may not be numbered)
simple text

## The MiniBrowser soft keys

At the bottom of the MiniBrowser display is a solid bar which contains browser commands. The key is used to soft key to execute the commands. It called soft key(s) because their function changes depending on where you are in the MiniBrowser software.See the next page.

Here's how the keys work in the MiniBrowser:

1. Volume Keys: These keys are used to scroll up or down by a page.
2. OK: Press this key to select the highlighted item.
3. Soft/Navigation Key:

Soft Key: Slide this key left or right.It will be the left or right soft key.
Navigation Key: Scroll the items by sliding this key up or down.
4. SEND Key: Press this key to receive a call while in a MiniBrowser session. For more information on this feature see "Receiving a phone call while using theWirelessWeb Brow ser"on page 98.
5. Numbered Keys 0-9: If the items on a page are numbered, you can use these keys to select them.
整正,
6. */ Shift Key: This is the shift key. Press before entering text to create upper case letters.

7. \# / Space Key: This is the space key. Press to insert a space when entering text.
8. 0 / Next Key: Enters a 0 . Moves to the next word in T9 text entry mode.
9. CLR Key: This key performs two functions:

Backs you up in the browser. Pressing it once backs you up one page.Pressing and holding it backs you up to the Home page.

Clears out entered text or numbers.When entering numbers or text, press (CI) to clear the last number, letter, or symbol.Press and hold (CE) to completely clear the input field.
10. END Key: Exits the MiniBrowser and returns the phone to Standby mode.
11. MENU Key: Press and hold to access the browser menu.

## Entering text, numbers or symbols

When you are prompted to enter text, the current text entry method will appear on the right soft key asT9w ord, alpha, SYM1 or NUM.To change the Input Mode, press the (UED) soft key.
In theWireless Web Browser, use the indicated key to perform the following text entry functions:
press to change case ("Shift", "CAP" or lowercase).
press 0 to cycle through candidate T9 words matched.
press to insert a space.

## Alphabetical Text Entry

Alphabetical text characters may be entered in the alpha Input Mode by pressing the key corresponding to the letter that you want to enter. Press the same key repeatedly to change between the characters represented by each key.

## Numbers and Symbol Entry

Numbers and symbols are entered by changing to the appropriate Input Mode and pressing the soft key for the symbol you want or the digit key of the number you want.

## T9 ${ }^{\circledR}$ Text Entry

T9w ord,T9 Text Input, enables you to easily enter text.T9 (for "text on 9 keys") requires only one key press per letter and quickly recognizes the most commonly used word of a numeric sequence. For example, to enter the w ord "hello," you can spell out the word by pressing only five keys,

4-3-5-5-6.T9 Text Input knows the most commonly used sequence for that numeric sequence is "hello". If two or more words share the same numeric sequence,T9 softw are provides the most commonly used word, with the ability to scroll to the next most commonly used word by pressing the 0 O . Press repeatedly to display all of the available words that T9 knows. When the word you want displays continue to enter text in the same way or change to another text or character entry mode. If the word you want to enter is not known by 79 press (owange the Input Mode.

## Using Links

Links have several purposes, including jumping to a different page, jumping to a different site or even initiating a phone call from some sites. Links are show $n$ inside of brackets ( [ ] ), and you can normally use the left soft key to select a link when it is highlighted.

## Initiating a phone call while using the Wireless Web Browser

You may initiate a phone call from the Wireless Web if the site you are using supports this feature (the phone number may be highlighted and the left soft key will appear as "Call."). In most cases, you can also use the (uees) key to call the number.The Wireless Web Brow ser connection will be terminated when you initiate the call.After you end the call, your phone will return to Standby mode.

## Receiving a phone call while using the Wireless Web Browser

You can receive phone calls while in a MiniBrow ser session.During a MiniBrow ser session your phone and your service provider pass information back and forth in packets, this is done for efficiency and it reduces your service access cost.Your phone is connected to the service provider only during the exchange of a packet; the Service Indicator will be present when a packet is being exchanged. Your phone stores this information contained in a packet in memory for you to use. Whenever packets of information are not being exchanged, your phone can receive calls.To answer a call while in the MiniBrow ser press When you complete your call, you are automatically returned to your MiniBrowser session where you were when you answered your call.

## Using Bookmarks

You can bookmark many individual pages for easy access at a later time. Bookmarks save you time by reducing the number of steps it takes to access a desired page.

## Creating a Bookmark

1. Go to the page that you want to mark.
2. Press and hold ( A list of options appears.
3. Select Mark Site.
4. If the page has a title, it w ill be automatically used for the name of the bookmark. You can also change the bookmark name. Selecting Save will save the name and add the page to your list of bookmarks.
5. A message will appear confirming that the bookmark was added to the list. Select OK to return to the screen that you marked to resume navigation within the MiniBrowser.
6. The new bookmark is added to the bottom of your bookmark list.

## Finding a Bookmark

1. From the Home Page, select Bookmarks.
2. Select the bookmark you want and press

Or

1. From the Home Page, press and hold the number associated with the bookmark in the bookmark list.

## Samsung PCS Wireless Data Connection

Now you can use your laptop PC, handheld or palm-sized computing device to send and receive e-mail, access the Internet or your company's network and more, without searching for a wall-mounted telephone jack.
When connected to a computing device (laptop, desktop, handheld, palmtop, etc.) running Microsoft ${ }^{\circledR}$ Windows ${ }^{\circledR} 95$, Windows ${ }^{\circledR} 98$, Window $\mathrm{SNT}^{\circledR}$, WindowsCE ${ }^{\circledR}$, $\mathrm{PalmOS}^{\circledR}$ and other operating systems, your Samsung PCS Phone functions just like a typical computer modem on your PC, enabling you to use wireless data involving a wide variety of Windows software applications. Refer to your data kit manual for instructions to set up your computing device.

Note:Your phone must be on the PCSWireless Network to use PCSWireless Data transmission services.

## Getting Started

Purchase a Samsung PCSWireless Data Connection Kit (sold separately).
Connect your laptop PC to your Samsung PCS Phone by using the serial data cable.The cable adapter will connect to a handheld or palm-sized computing device.

Use the CD-ROM to install the softw are onto your computer. It only takes a few minutes to install. See the user guide in the Samsung PCSWireless Data Connection Kit for complete details on how to install and use this service (Ask your service provider for more informations).

## Attaching the data cable

Before you install the software for Data connection on your computer, it is a good idea to attach the data cable to the computer and your Samsung PCS Phone.

1. Plug the smaller end of the data cable, with the release tab facing up, into the accessory connection of your phone.
2. Plug the other end of the data cable into the matching serial port on the back of your computer.

## Installing the software

To begin making Wireless Data connections, you will need to install the software from the CD-ROM (ask your service provider for details).

The softw are is designed to take you through the installa tion process step by step. Please refer to the software user guide for more detailed information on installation.

## Placing a call

1. Make sure the data cable is connected properly.
2. Open the application on your computer, and place the call through the application on your computer.The phone will display the number your computer is calling. You will see "CONNECTING".

Note:Your phone will automatically redial three times (or until it is successful). If the call is not connected after three tries, the display will return to Standby mode.

## Reading the Display

Once the call is successfully connected, your phone's display shows transmission information.

## During the call

## Caller ID

Your phone stores the numbers of incoming Wireless Data Connection calls with your voice Caller IDs. To let you know which is which, you will see "Data" or "Fax"along with the number of the caller when viewing your Caller IDs.

## Accessing Features

While connected on aWireless Data Connection call, you can still access most features. You can navigate the phone's menu system to change or view your phone's features or Phone Book entries or read messages or Caller IDs that you received before placing the call.

## Call Waiting

If someone tries to reach you during aWireless Data Connection call, you phone will behave like it is turned OFF (depending on your service,callers will probably get your voicemail). If you subscribe to Call Waiting, it will automatically be deactivated whenever you place or receive aWireless Data Connection Call.

## Receiving a call

When you have an incoming Data/Fax call, your phone's display will show what type of call you are receiving, along with the number of the caller. If the number matches an entry in your Internal Phone Book, the name will also be displayed.

If you select Auto Answer mode, your phone will automatically answer Data/Fax calls when the data cable is connected.

## Receiving a data/fax call

Note:Your phone must be on a digital network to receive or send faxes and data.

1. Ensure that your Samsung PCS Phone is connected to your computing device and is powered on.
2. Press (UEND) to display the Main menu.
3. Press (8= for Setup/Tool.
4. Press (3) for Data/Fax In.
5. Use the scroll keys to select"Incoming Data(Fax) Only".
6. Press to save the setting. The screen displays "No incoming voice calls can be received". Your phone then returns to Standby mode and displays"*Data(Fax) Only *" above the greeting.

Note: Once you have set your phone's mode to "Incoming Data(Fax) Only", you cannot receive regular voice calls until you change back to "Voice".
7. In the Data(Fax) program on your PC, setup the Answer mode. Click on "Receive" and select one of the following:
Automatic Receive (recommended)
Manual Receive
Your phone is now ready to receive an incoming data(fax).

## Changing your phone back to voice calling

1. Press (VEnd) to display the Main menu.
2. Press for Setup/Tool.
3. Press (3) for Data/Fax In.
4. Use the scroll keys to select"Voice Call Only".
5. Press to save the setting. The screen displays "No incoming data/fax calls can be received". Your phone then returns to Standby mode.

## Ending a call

Some of the normal ways to end a call, like closing the phone, will end aWireless Data call. Alw ays close the connection through the application on your computer.Your phone will return to Standby mode. Disconnecting the data cable or turning off your phone will also end a wireless data connection call, but may disrupt your computer.

## Menus

Your Samsung PCS Phone includes both a Main menu and an In-Use menu.

## Main menu

The Main menu in Standby mode contains eight primary options, all of which contain sub-menus (see "Your Phone's Main menu" on page 106).

## In Use menu

The In Use menu options are available in Talk mode:

1. Mute/Unmute
2. Silent key
3. 3-Way Call
4. Calls
5. Messages
6. Phone Book
7. Calendar
8. Send Tel \#

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## Menu navigation

To access a menu option, press and then press the scroll keys to scan menu options. Press the associated digit key to select the desired option. If you know the number of the option you want to select, simply press (und then press the associated digit key to select the desired option.(You do not have to scroll through the list or display an option in order to select it.)

Note: Closing the phone will return you to Standby mode from any menu.Also, the phone will automatically return to Standby mode from any menu if you don't touch a key for 60 seconds.


## Usage guidelines: All about performance and safety

## Keeping tabs on signal strength

If you're inside a building, reception may be better near a window.

The quality of each call you make or receive depends on the signal strength in your immediate area.When turned on, your phone will alw ays give you a visual indication of the signal strength in your immediate area. The visual indicator is alw ays in the upper left corner of your display and is referred to as the signal strength indicator: Yill. More lines indicate more signal strength. Four lines indicate maximum strength and one line indicates least strength.

## Understanding Power Save mode

If you're trying to use your Samsung PCS Phone in an area where the signal is too weak, the Power Save feature will automatically activate to conserve battery power when you've been unable to pick up a signal for 15 minutes.If your phone is on, it will periodically recheck service availability or you can do so yourself manually by pressing any key.A message will be displayed on the screen any time Power Save has been activated.

## Understanding how your phone operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When your phone is in use, the system handling your call controls the power level. This power level can range from 0.006 watts to 0.2 w atts.

## Radio frequency safety

In 1991-1992, the Institute of Electrical and Electronics Engineers (IEEE) and theAmerican National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industry developed this updated standard after review ing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted a hybrid standard consisting of the existingANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

The design of the phone complies with these updated standards. Of course, if you want to limit RF exposure even further than the updated standard, you can choose to control the duration of your calls and operate your phone in the most pow er-efficient manner.

## Maintaining your phone's peak performance

To operate your phone properly - that is, to maintain safe and satisfactory service - you should follow these rules:

Hold the phone with the antenna up and over your shoulder.

Do not hold, bend or twist the phone antenna at any time.

Do not use the phone with a damaged antenna.
Speak directly into the microphone.
Avoid exposing your phone and accessories to rain or liquid spills. If your phone gets wet,turn the power off immediately, remove the battery and allow the phone and battery to air dry for 10 hours (in normal room temperature and humidity). If after the 10 hour drying time, the phone is inoperable, you should return it to the store where you purchased it or a Samsung PCS authorized service center.

Only Samsung PCS authorized personnel should service your phone and its accessories. Faulty service may invalidate the warranty.

## Protecting your battery

For best battery performance, you should follow these guidelines:

Only use Samsungapproved batteries and travel adapter/charger. These adapter/charger are designed to maximize battery life. Using other batteries or adapter/charger will invalidate your warranty and may cause damage as well.

To avoid damage,only charge the battery in temperatures that range from $32^{\circ} \mathrm{F}$ to $104^{\circ} \mathrm{F}$.

Do not use the battery charger in direct sunlight or in high humidity areas (such as a bathroom).

Never dispose of the battery by incineration (fire).
Keep the metal contacts at the battery base clean.
Do not attempt to disassemble or short-circuit the battery, as injuries or burns may result.

You may need to recharge the battery if it has not been used for a long period of time.

Replace the battery when it no longer provides acceptable performance. It can be charged hundreds of times before it will need to be replaced.

Do not allow metal objects or liquids to contact or short-circuit the battery terminals, as injuries or burns may result.
To avoid damage, store the battery in temperatures ranging from $-4^{\circ} \mathrm{F}$ to $185^{\circ} \mathrm{F}$, and avoid leaving the battery unused for very long periods. Follow these storage rules:

Less than one month:
$-4^{\circ} \mathrm{F}$ to $140^{\circ} \mathrm{F}\left(-20^{\circ} \mathrm{C}\right.$ to $\left.50^{\circ} \mathrm{C}\right)$
More than one month:
$-4^{\circ} \mathrm{F}$ to $113^{\circ} \mathrm{F}\left(-20^{\circ} \mathrm{C}\right.$ to $\left.35^{\circ} \mathrm{C}\right)$

## Battery disposal and recycling

Please follow these guidelines when disposing of or recycling the battery:

Do not dispose of the battery in a fire; the cell may explode.Check the regulations in your area for special disposal instructions.

Do not open or puncture the battery; the released electrolyte is corrosive and may cause damage to the eyes and skin, and can be toxic if swallowed.
Charge the battery in accordance with the instructions specified in this user guide. See "Charging the battery" on page 18.

## Using your phone while driving

Talking on the phone while you're driving may divert your attention away from the road. In addition, it is illegal in some states. Remember, safety comes first.
When using your phone in the car:
Focus on driving, not talking.
Use your optional hands-free car kit.
If you must use the phone while driving, please use OneTouch Dialing and Speed Dialing.

FAILURETO FOLLOW THESE INSTRUCTIONS MAY LEAD
TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPER-
TY DAMAGE.

## Following safety guidelines

To operate your phone safely and efficiently, you should alw ays follow any special guidelines in a given area and turn your phone off in areas where use is forbidden or when it may cause interference or danger.

## Tum off your phone before flying

You should turn off your phone before boarding any aircraft.To prevent possible interference with aircraft systems, U.S. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use your phone while the plane is on the ground.To prevent any risk of interference, FCC regulations prohibit using your phone while the plane is in the air.

## Restricting children's access to your phone

Your phone should not be played with by children.They could hurt themselves and others,damage the phone or make calls that increase your bill.

## Using your phone near other electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, RF signal s from PCS telephones may affect inadequately shielded electronic equipment.
RF signals may affect improperly installed or inadequately shielded electronic operating and entertainment systems in motor vehicles.Check with the manufacturer or its representative to determine if these systems are adequately shielded from external RF signals.You should also check with the manufacturer regarding any equipment that has been added to your vehicle.
Consult the manufacturer of any personal medical devices (such as pacemakers and hearing aids) to determine if they are adequately shielded from external RF signals.Turn off the phone in healthcare facilities and request permission before using the phone near medical equipment.

## Tum off your phone in dangerous areas

To avoid interfering with blasting operations, you should turn off your phone when in a blasting area or in other areas with signs indicating that two-w ay radios should be turned off. Construction crews use remote-controlled RF devices to set off explosives.
Turn off your phone when you are in any area with a potentially explosive atmosphere. It is rare, but your phone or its accessories could generate sparks.Sparks could cause an explosion or a fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities;areas where the air contains chemical or particles such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Do not transport or store flammable gas, liquid or explosives in the compartment of any vehicle that contains your phone or ac cessories.

## Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment.Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and will invalidate the phone warranty if said accessories cause damage or a defect to the phone.
Although your phone is quite sturdy, it is a complex piece of hardw are and can be broken. Use common-sense guidelines to avoid dropping,hitting, bending or sitting on it.

## FCC notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the telephone if such interference cannot be eliminated.

## Liquefied Petroleum Gas

Lastly, vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park,Quincy, MA 02269,Attn.:Publication Sales Division.

## Specifications Subject to Change

The information contained in this manual is believed to be correct at the time of printing, how ever, Samsung reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

## FCC Compliance Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## Information To User

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. How ever, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

## 1.Reorient / Relocate the receiving antenna.

2.Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment



> | Licensed by QUALCOMM Incorporated under one or more of |
| :--- |
| the following Patents. |
| U.S. Patent No. $\begin{array}{lll}4,901,307 & 5,056,109 & 5,099,204 \\ 5,101,501 & 5,103,459 & 5,107,225\end{array}$ |
| $5,109,390$ |


[^0]:    * SPH-N100 is dual-band.

